### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

	A. This land application agreement is made on 12/19/18 between <u>Daniel G. Hadacek</u> referred to here as Landowner", and <u>Houff Corporation</u> , referred to here as the "Permittee". This agreement remains in effect until it is erminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the even of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive piosolids or industrial residuals under this agreement.					
	Landowner: The Landowner is the owner of record of the real property located in <u>Augusta County</u> . Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.					
	Table 1.: Parcels aut	horized to receive biosolids, w	vater treatment residuals or ot	her industrial sludges		
	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID		
	10-58					
	10-62					
	10-64					
	☐ Additional parcels containing Lar	nd Application Sites are identified on	Supplement A (check if applicable)	**************************************		
	Check one: ☐ The Landowner is the sole owner of the properties identified herein.  ✓ The Landowner is one of multiple owners of the properties identified herein.					
	In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:  1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and  2. Notify the Permittee of the sale within two weeks following property transfer.					
	The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee fo application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.					
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to cond						

inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Water treatment residuals Food processing waste Other industrial sludges

✓ Yes	□ No	✓ Yes	□ No	✓ Yes	□ No	✓ Yes	□ No
	Printed name <b>Daniel G. Hadacek</b> By:		Mailing Address 24 Eubank Road, Mt. So	olon, VA 22843	Landowner Signature		
Title*				Phone No. 540-234-92	46	Min	4 /2/
*□ I certi	* I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.						
* I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.							

#### Permittee:

Houff Corporation, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name	Mailing Address	Permittee- Authorized Representative
Timothy J. Grove	97 Railside Drive, Weyers Cave, VA 24486	Signature /
Title Biosolids Manager	Phone No. 540-234-9246	(mas) (started

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: <u>Houff Corporation</u> County or City: <u>Augusta</u>

Landowner: Daniel G. Hadacek

### Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
  nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
  Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS					
A. This land application agreement is made on					
Landowner: The Landowner is the owner of record of the real property located in Augusta County, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.					
Table 1.: Parcels aut	horized to receive biosolids,	water treatment reside	uals or other	industrial sludges	
Tax Parcel ID	Tax Parcel ID	Tax Parcel II	D	Tax Parcel ID	
10-58					
10-62					
10-64					
☐ Additional parcels containing Lar	nd Application Sites are identified or	Supplement A (check if ap	pplicable)		
Check one: ☐ The Lar ✓ The Lar	ndowner is the sole owner of ndowner is one of multiple o	f the properties identifi wners of the properties	ed herein. s identified he	erein.	
<ul> <li>In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:</li> <li>Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and</li> <li>Notify the Permittee of the sale within two weeks following property transfer.</li> </ul>					
The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.					
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.					
		d processing waste	(5) (5)	u <u>strial sludges</u> □ No	
Printed name Sarah W. Hadacek By: Title*	Phone No. 540-	, Mt. Solon, VA 22843 234-9246		V Hadacet	
*□ I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. *□ I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.					
Permittee:  Houff Corporation, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.					
The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.					
Printed name Timothy J. Grove	Mailing Address 97 Railside Drive,	Weyers Cave, VA 24486	Permittee- Auth Signature	horized Representative	

Phone No. 540-234-9246

Rev 6/11/2018b

Title Biosolids Manager

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

**Permittee: Houff Corporation** County or City: Augusta

Landowner: Sarah W. Hadacek

### Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

#### Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days.
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI:	LAND APPLICATION	AGREEMENT	- BIOSOLIDS	AND INDUSTRIAL	RESIDITALS
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PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS					
A. This land application agreement is made on					
Landowner: The Landowner is the owner of record of the real property located in <u>Augusta County</u> , Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.					
Table 1.: Parcels autl	horized to receive biosolids,	water treatment resid	uals or other industrial sludges		
Tax Parcel ID	Tax Parcel ID	Tax Parcel II	D Tax Parcel ID		
10-59					
☐ Additional parcels containing Lan	nd Application Sites are identified on	Supplement A (check if ap	pplicable)		
Check one: ✓ The Lar	ndowner is the sole owner of ndowner is one of multiple ov	the properties identifi	ied herein. s identified herein.		
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:  1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and  2. Notify the Permittee of the sale within two weeks following property transfer.					
The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.					
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.					
		d processing waste	Other industrial sludges ✓ Yes □ No		
Printed name <u>Daniel G. Hadacek</u> By:  Title*	Phone No. 540-2		Landowner Signature  Aud J Mah		
*□ I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. *□ I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.					
authorized by the VPA Permit Re prepared for each land application	Permittee: <u>Houff Corporation</u> , the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.				
The Permittee agrees to notify the specifically prior to any particular	e Landowner or the Landowner application to the Landowner's	's designee of the propo land. Notice shall includ	osed schedule for land application and de the source of residuals to be applied.		
Printed name Timothy J. Grove	Mailing Address 97 Railside Drive,	Weyers Cave, VA 24486	Permittee- Authorized Representative Signature		

97 Railside Drive, Weyers Cave, VA 24486

Phone No. 540-234-9246

Rev 6/11/2018b

Title Biosolids Manager

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Houff Corporation County or City: Augusta

Landowner: Daniel G. Hadacek

### Landowner Site Management Requirements:

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- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

#### Livestock Access Restrictions:

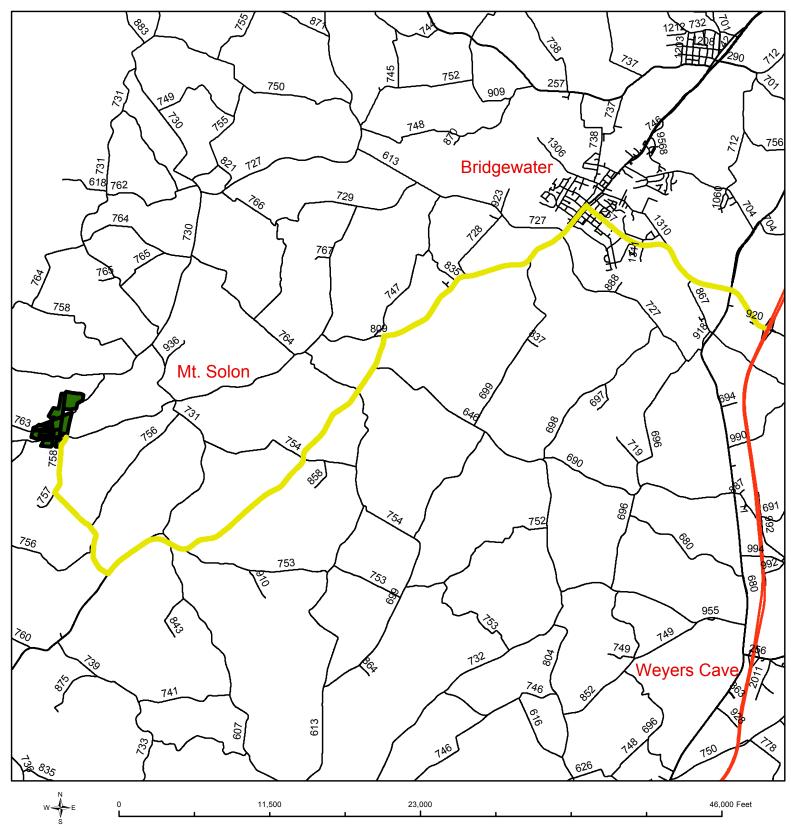
Following biosolids application to pasture or hayland sites:

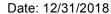
- a. Meat producing livestock shall not be grazed for 30 days.
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
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  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
  nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
  Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

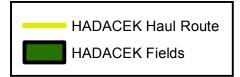
Landowner's Signature

Date

Owner: Daniel and Sarah Hadacek Operator: Daniel Hadacek General Location Map (with common haul route)

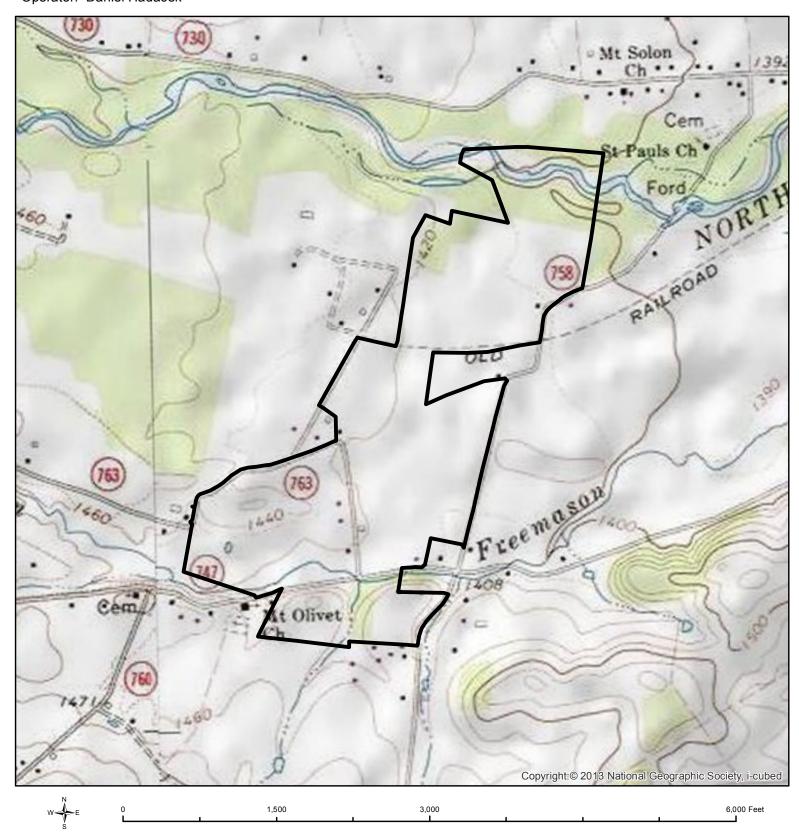








Owner: Daniel and Sarah Hadacek Operator: Daniel Hadacek



Date: 12/31/2018



Owner: Daniel and Sarah Hadacek

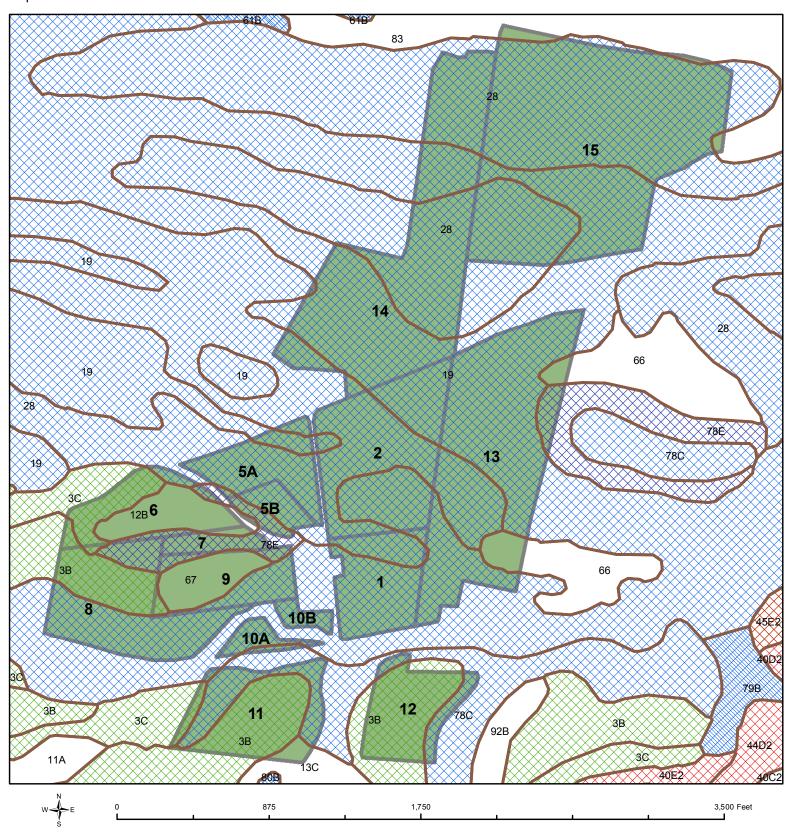
Operator: Daniel Hadacek

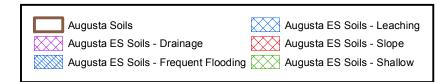






Owner: Daniel and Sarah Hadacek Operator: Daniel Hadacek

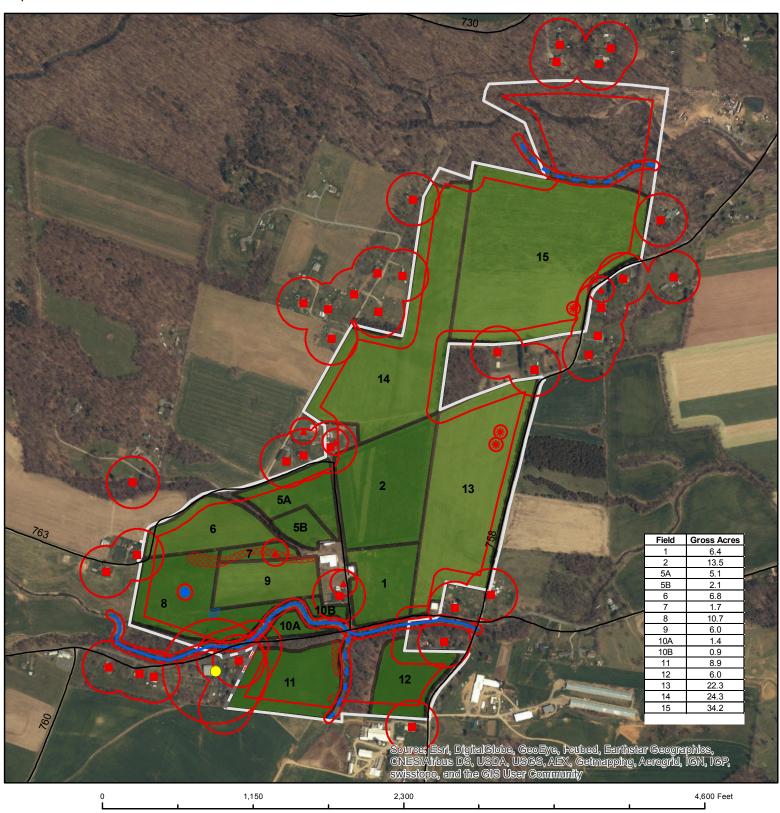






Owner: Daniel and Sarah Hadacek

Operator: Daniel Hadacek





Public Roads (10 ft buffer)

HADACEK Public Property Lines (200 ft buffer)

HADACEK Streams (100 ft buffer, 35 ft vegetated)

HADACEK Property Lines (100 ft buffer)

HADACEK Fields



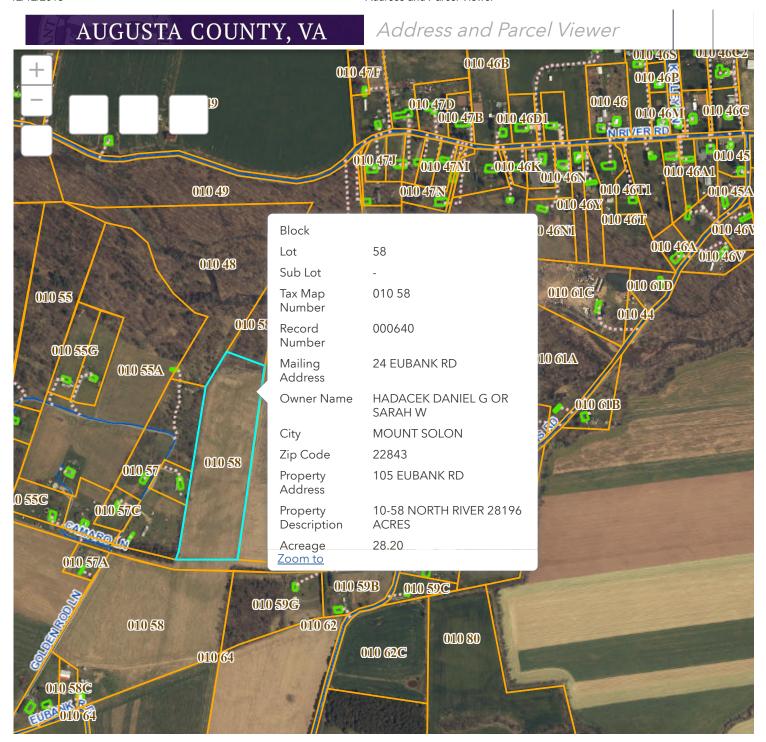


Owner: Daniel and Sarah Hadacek

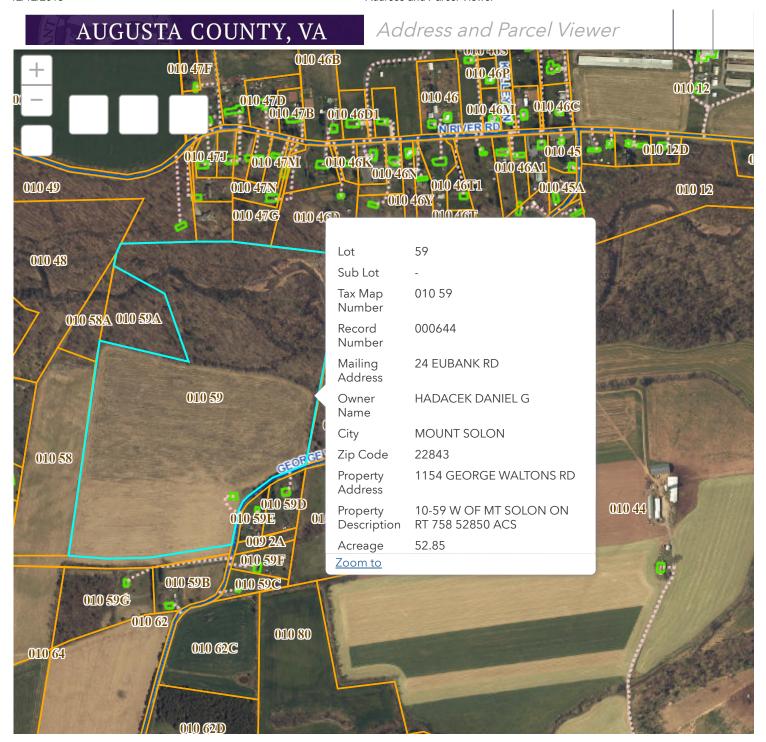
Operator: Daniel Hadacek





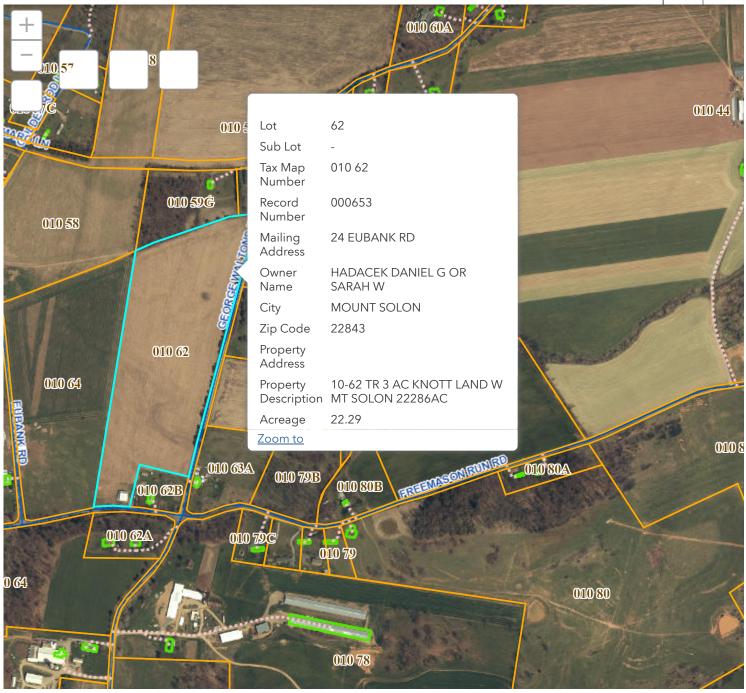


#### AUGUSTA COUNTY, VA Address and Parcel Viewer 010 55A 01059 , 010 GIB 010 604 10 **55I**F 0105 Lot 58 010 57 Sub Lot 009 2A 010 55C 010 57C 010 58 Тах Мар Number Record 000640 Number 010 57/ Mailing 24 EUBANK RD Address Owner Name HADACEK DANIEL G OR 01056 01058 SARAH W City **MOUNT SOLON** Zip Code 22843 01053C Property 105 EUBANK RD Address 10-58 NORTH RIVER 28196 Property Description **ACRES** 28.20 Acreage 01080 Zoom to 010 64 010 63 010 794 010 64 FREEMASOMRIMARD 010 80A 010 63A 010 79B 010 80B 010 62B 010 78 <sub>010</sub> 79¢ 010 62A 010 79 010 64 1077



1/1

# AUGUSTA COUNTY, VA Address and Parcel Viewer



## AUGUSTA COUNTY, VA

### Address and Parcel Viewer



### AUGUSTA COUNTY, VA Address and Parcel Viewer 010 58C 010 62D 010 62 01080 010 64 64 Lot 010 64 Sub Lot MESONGWIED Тах Мар 010 64 0108 Number Record 000660 Number Mailing 24 EUBANK RD 010 62A Address Owner Name HADACEK DANIEL G OR 010 64 SARAH WHITMAN 010 70B City **MOUNT SOLON** Zip Code 22843 Property 24 EUBANK RD Address 10-64 F M RUN 79924 Property Description 79.92 Acreage Zoom to 010 76 01077 010 78A 010 76A 010 76 010 941 010 010 73

010 94

600ft

#### AUGUSTA COUNTY, VA Address and Parcel Viewer 010 57A 54 010 541 010 59F 010 59C 010 59B 010 59G 010 56 010 58 010 62C 010 58C OTO SAB ENEADYKED 2D 010 56B 010 66<sup>010</sup> 65 Lot 64 Sub Lot Тах Мар 010 64 010 664 Number 10 79A Record 000660 01064 Number 010 67 Mailing 010 66 24 EUBANK RD 79B Address 010 80B Owner Name HADACEK DANIEL G OR SARAH WHITMAN 010 64A City **MOUNT SOLON** 010 79 Zip Code 22843 010 70C 0106 Property 24 EUBANK RD 010 70B 010 70 Address Property 10-64 F M RUN 79924 Description 79.92 Acreage 010 78 Zoom to 01076 010 77 01071 010 78A 01076 010 76A

38.341 -79.098 Degrees